

4/14/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To	
P0039449	ACI001-VC	1	1	Net 30	MT-4140-S-2.750X5.000	4140 Steel Sheet 2.750 X 5.000 : MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft				3	4/10/2018	3		S061014	Stock	4/14/2018	\$ 142.63 / ft	0		\$4	
		2			MT-4140-B-1.000X1.000	4140 Steel Bar 1.000 X 1.000 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft				16		16		S061015	Stock	4/14/2018	\$ 23.04 / ft	0		\$36	
		3			MT-4140-R1.625	AISI 4140 Round Bar				4		4		S061016	Stock	4/14/2018	\$ 39.25 / ft	0		\$15	
Total:										23			23								\$74

Plex 4/14/2018 9:45 AM Dart.Dubois.Pascal



DELIVERY - CLIENT

CO00081196

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,
Att : CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Customer N° CL10001056

Date 2018/03/29

Delivery date **2018/04/13**

Your order N° 039449

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 PLATE 4140 HEAT TREAT 2 3/4 NS P4140-234H 10335 1 X 5" X 17 1/2" LINE 1 AC14299-EL-11/04 HEAT: 303186	68.51	6.67 1.22	PI2_\$CLB		2 PCX		2 PCS APR 14 2018 17,500' x 2				DAS 11 9-89
2 PLATE 4140 HEAT TREAT 1 NS P4140-1H 8796 2 X 1" X 96" LINE 2 AC14799-EL-11/04 HEAT: 301054	57.18	1.40	PI2_\$CLB		2 PCX		16' APR 14 2018				DAS 11 9-89
3 ROUND 4140 HEAT TREAT 1 5/8 NS R4140-158H 10334 1 X 4' LINE 3 AC14798-VA-04/04	28.20	4.00	PI_\$CLB		4		4' APR 14 2018				DAS 11 9-89

NIR : R-109516-6



DELIVERY - CLIENT


CO00081196

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Billed to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7



Shipped to
_____, Ontario,
Att : CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Instruction F-M
Page 2
Credit Terme Net 30 Days
Carrier OUELLETTE VALLEYFIELD

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only					
				CMD	EXP	B/O	IN	I	S	C	OUT	
HEAT: 177659 												

Total Weight (Lbs) : 153.89
NIR : R-109516-6

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By : 	Verified By : _____	Delivered By : 	Time _____	Customer's Signature _____	Date 18/04/13
--	------------------------	--	---------------	-------------------------------	------------------

Total (\$CAD)



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039449

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039449

PO Date: 3/28/18

Due Date: 4/6/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 29 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: QUOTE NO. SOU0094912

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-4140-S-2.750X5.000		4140 Steel Sheet 2.750 X 5.000 : MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	4/6/18	2.917 ft	0 ft	3 ft	\$142.62889/ft	\$416.05
<p>2 PCS CUT TO SIZE 17.500"</p> <p>2 PCS 17.500" x 2"</p> <p>APR 14 2018</p> <p>DAS 11 9-89</p>										
2	MT-4140-B-1.000X1.000		4140 Steel Bar 1.000 X 1.000 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	4/6/18	16 ft	0 ft	16 ft	\$23.0425/ft	\$368.68
<p>APR 14 2018</p> <p>16'</p> <p>DAS 11 9-89</p>										
3	MT-4140-R1.625		AISI 4140 Round Bar	Firmed	4/6/18	4 ft	10 ft	4 ft	\$39.25/ft	\$157.00
4	MT-4140-R4.000	CUT TO 7" LENGHT	AISI 4140 Round Bar	Firmed	4/6/18	2.33 ft	2.40 ft	2 ft	\$105.09442/ft	\$244.87
<p>4 PCS CUT TO 7"</p> <p>4 PCS</p> <p>APR 14 2018</p> <p>APR 03 2018</p> <p>DAS 11 9-89</p>										
Grand Total:										\$1,186.60

Order Notes



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039449

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039449

PO Date: 3/28/18

Due Date: 4/6/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 29 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: QUOTE NO. SOU0094912

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	MT-4140-S-2.750X5.000		4140 Steel Sheet 2.750 X 5.000 : MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft	Firmed	4/6/18	2.917 ft	0 ft	3 ft	\$142.62889/ft	\$416.05
Line Item Note 2 PCS CUT TO SIZE 17.500"										
2	MT-4140-B-1.000X1.000		4140 Steel Bar 1.000 X 1.000 : AISI 4140N STEEL BAR PER MIL-S-5626, AMS 6382, AMS 6349, AMS 6529 receive ft	Firmed	4/6/18	16 ft	0 ft	16 ft	\$23.0425/ft	\$368.68
3	MT-4140-R1.625		AISI 4140 Round Bar	Firmed	4/6/18	4 ft	0 ft	4 ft	\$39.25/ft	\$157.00
4	MT-4140-R4.000	CUT TO 7" LENGHT	AISI 4140 Round Bar	Firmed	4/6/18	2.33 ft	2.40 ft 4PCS	2 ft	\$105.09442/ft	\$244.87
Line Item Note 4 PCS CUT TO 7"										

Grand Total: \$1,186.60

Order Notes

Plex 3/28/18 1:37 PM dart.lavoie.chanta

DAS
11
9-88

APR 03 2018

3/28/2018

PURCHASE ORDER

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/28/18 1:37 PM dart.lavoie.chantal

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/28/18 1:37 PM dart.lavoie.chantal

Chemical certification
Certification chimique

P.O.
14799N

CO 81196

Dart

Order Num / No. Commande AC-14799	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 12/30/17	Heat / coulée 303186	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED; E + VD				
Shape / Forme PLT	Size / Dimension 2.750	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

Carbon (C)		Silicon (Si)		Manganese (Mn)		Phosphorus (P)	
Mini / maxi	0.3700 / 0.4400	0.1500	0.3500	0.6500	1.1000	0.0100	0.0190
Actuel %	0.404	0.209		0.805		0.007	
Sulphur (S)		Chromium (Cr)		Nickel (Ni)		Molybdenum (Mo)	
Mini / maxi	0.0200 / 0.0400	0.7500	1.2000	0.1000	0.2000	0.1500	0.2500
Actuel %	0.000	0.960		0.110		0.180	
Cooper (Cu)		Vanadium (V)		Aluminum (Al)		Tungsten (W)	
Mini / maxi	0.1900 / 0.2900	0.0400	0.0500	0.0090	0.0190	0.0000	0.0000
Actuel %	0.200	0.037		0.018		0.000	
Cobalt (Co)		Titanium (Ti)					
Mini / maxi	0.0000 / 0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Actuel %	0.000	0.000	0.000	0.000		0.000	

Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		314 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: / Préparé par:

Chemical certification Certification chimique

Order Num / No. Commande AC-14799	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 08/31/17	Heat / coulée 301054	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED				
Shape / Forme FLAT	Size / Dimension 1.000	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

Carbon (C)		Silicon (Si)		Manganese (Mn)		Phosphorus (P)	
Mini / maxi	0.3700 / 0.4400		0.1500 / 0.3500		0.6500 / 1.1000		0.0100 / 0.0190
Actuel %	0.400		0.300		0.780		0.009
Sulphur (S)		Chromium (Cr)		Nickel (Ni)		Molybdenum (Mo)	
Mini / maxi	0.0200 / 0.0400		0.7500 / 1.2000		0.1000 / 0.2000		0.1500 / 0.2500
Actuel %	0.000		0.970		0.210		0.170
Cooper (Cu)		Vanadium (V)		Aluminum (Al)		Tungsten (W)	
Mini / maxi	0.1900 / 0.2900		0.0400 / 0.0500		0.0000 / 0.0000		0.0000 / 0.0000
Actuel %	0.249		0.036		0.050		0.000
Cobalt (Co)		Titanium (Ti)					
Mini / maxi	0.0000 / 0.0000		0.0000 / 0.0000		0.0000 / 0.0000		0.0000 / 0.0000
Actuel %	0.000		0.000		0.000		0.000

Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		313 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: / Préparé par:

CO 81196

Dart

PO. 14798W

CERTIFICATE OF COMPLIANCE / CERTIFICAT DE CONFORMITÉ

Order No. / No. Commande	CUSTOMER / CLIENT	Packing slip / No. d'expédition	DATE
Order No. / No. Commande	CUSTOMER / CLIENT	Packing slip / No. d'expédition	DATE
AC00014798	ACIER OUELLETTE INC	L38696-01	02-04-18
MATERIAL ID# / No. MATÉRIEL	GRADE / NUANCE	HEAT TREATMENT / TRAITEMENT THERMIQUE	HEAT / COULÉE
2017-2738	AISI 4140	Q.T.S.R / TREMPÉ REVENU - RECUIT DE DÉTENTE (RONDS)	177659
SHAPE / FORME	SIZE / DIMENSION	SPECIFICATIONS	
Round / Rond	1.6250" in.	ASTM A193/193M-01, A434-90a-BC	
PAYS D'ORIGINE:	U.S.A.		

CHEMICAL COMPOSITION / ANALYSE CHIMIQUE

Carbon (C)		Silicon (Si)		Manganese (Mn)		Phosphorus (P)	
mini/maxi	0.380 0.430	0.150 0.350	0.750 1.000	0.035			
actuel (%):	0.410	0.240	0.910	0.013			
Sulfur (S)		Chromium (Cr)		Nickel (Ni)		Molybdenum (Mo)	
mini/maxi	0.040	0.800 1.100	0.000 0.250	0.150 0.250			
actuel (%):	0.024	0.853	0.091	0.164			
Copper (Cu)		Vanadium (V)		Aluminium (Al)		Tungsten (T)	
mini/maxi	0.350	----	----	----		----	
actuel (%):	0.240	0.031	0.003	0.000			

MECHANICAL PROPERTIES / PROPRIÉTÉS MÉCANIQUES

Yield strength / Élasticité	Tensile / résistance à la traction	Elongation / allongement (%)	Reduction of area / surface (%)	Hd/dure surface
129,400	142,700	20.0%	56.0%	302 BHN

No weld repairs performed during the manufacturing of this product. We hereby certify that the above results have been verified and conform to the above mentioned specifications. Material is Mercury free, without radioactivity.

Aucune réparation exécutée par soudure durant la fabrication de ce produit. Par la présente nous attestons que les résultats ci-haut mentionnés ont été vérifiés et sont conformes aux spécifications. Pas de contact au Mercure, sans radioactivité.

Keith BALL - Branch Manager

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-R1.625
DATE: APR 14 2018

PO / BATCH NO. 039449/5061016

MATERIAL CERT REC'D: YES
QUANTITY RECEIVED: 41
QUANTITY INSPECTED: 41
QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.625
THICKNESS RECEIVED: 1.625
SHEET SIZE ORDERED: N/A
SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	Use for dent testing only PD 134-17
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	Heat # 177659
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89 APR 14 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	17-790	17.12.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL :


AISI 4140 ROUND BAR
MINIMUM ROCKWELL C = 20 Rc
MAXIMUM ROCKWELL C = 38 Rc

SPECIFICATION:

ASTM A29, AMS 6349, AMS 6382, AMS 6529

PART NUMBER:

MT-4140-R-ID,DDI
WHERE "D,DDI" = DIAMETER IN INCHES
EX. 4" ROUND BAR = MT-4140-R-4.000

 DART AEROSPACE Hamilton, Ontario, Canada	
TITLE AISI 4140 ROUND BAR	
PART NO. MT-4140-R	REV. A
DESIGNED BY: VM 17/12/13 DRAWN BY: VM 12/13/2017 CHECKED BY: DM 12/18/2017 APPROVED BY: DM 12/20/2017 COPIES: 10	
INITIALS AND DATE TOLERANCES: XX ± .005 SURFACE: 3.2 DIMENSIONS: IN SCALE: NTS SHEET 1 OF 1	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-1.000X1.000

PO / BATCH NO.: 039449/5061015

DATE: APR 14 2018

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 16
 QUANTITY INSPECTED: 16
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Astm A829</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat # 301054</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS
11
 DATE: APR 14 2018

SIGNED OFF BY: _____
 DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-S-2.50x5.000
DATE: APR 14 2018

PO / BATCH NO.: 039449/5061014

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 3'
QUANTITY INSPECTED: 3'
QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.750
THICKNESS RECEIVED: 2.750
SHEET SIZE ORDERED: N/A
SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>(N)</u>	
CORRECT FINISH	<u>(Y)</u>	N	
CORROSION	Y	<u>(N)</u>	
CORRECT GRAIN DIRECTION	<u>(Y)</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>(Y)</u>	N	
CORRECT THICKNESS	<u>(Y)</u>	N	
PHOTO REQUIRED	Y	<u>(N)</u>	
CORRECT REF # TO LINK CERT	<u>(Y)</u>	N	<u>Heat # 303186</u>
CORRECT MATERIAL IDENTIFICATION	<u>(Y)</u>	N	
CORRECT M# ON THE MATERIAL	<u>(Y)</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>(N)</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>(N)</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89</u> <u>APR 14 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: *See* ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500



Wellesbury, Ontario, Canada

TITLE AISI 4140 / 4142 STEEL SHEET OR PLATE

PART NO. MT-4140-S

TOOL NO. REV. A

DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY: VM 21/3/2018	TOLERANCES: FRACTIONS ±1/8
DRAWN BY: VM 02/13/2018	XXX ±.005
CHECKED BY: VM 02/13/2018	XX ±.01
MFG REVIEW BY: DD 02/13/2018	X ±.1
APPROVED BY: ML 02/14/2018	SURFACE ROUGHNESS
SCALE: NTS	
SHEET 1 OF 1	

SCALE: NTS

SHEET 1 OF 1

COPYRIGHT © 2018 BY DART AEROSPACE LTD

THIS DOCUMENT IS UNCLASSIFIED AND NOT FOR RELEASE TO THE PUBLIC

UNCLASSIFIED DOCUMENT

UNCLASSIFIED DOCUMENT

UNCLASSIFIED DOCUMENT

UNCLASSIFIED DOCUMENT

8 7 6 5 4 3 2 1

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION: *See* ASTM A829, AMS 6395

PART NUMBER: MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500



Wellesbury, Ontario, Canada

TITLE AISI 4140 / 4142 STEEL SHEET OR PLATE

PART NO. MT-4140-S

TOOL NO. REV. A

DIMENSIONS APPLY AFTER FINISHING	
DESIGNED BY:	VM 21/3/2018
DRAWN BY:	VM 02/13/2018
CHECKED BY:	VM 02/13/2018
MFG REVIEW BY:	DD 02/13/2018
APPROVED BY:	ML 02/14/2018
TOLERANCES:	
XXX ± .005	FRACTIONS ± 1/8
XX ± .01	ANGLES
X ± .1	SURFACE
	ROUGHNESS
SCALE: NTS	
SHEET 1 OF 1	

SCALE: NTS

SHEET 1 OF 1

COPYRIGHT © 2018 BY DART AEROSPACE LTD

THIS DOCUMENT IS UNCLASSIFIED AND NOT FOR RELEASE TO THE PUBLIC

UNCLASSIFIED DOCUMENT

UNCLASSIFIED DOCUMENT

UNCLASSIFIED DOCUMENT

UNCLASSIFIED DOCUMENT